

Amendments to the Specification:

1. Page 1, before first paragraph, but after the title, insert the following:

---CROSS-REFERENCE TO RELATED APPLICATIONS

The present application is a U.S. National Stage of International Application No. PCT/FR03/01299, filed April 24, 2003, which claims priority under 35 U.S.C. § 119 of French Patent Application No. 02/05230, filed April 25, 2002.

BACKGROUND OF THE INVENTION

Field of the Invention---

2. Page 2, after the paragraph which ends at line 16, insert the following:

---Discussion of Background Information---

3. Page 5, after the paragraph which ends at line 32, insert the following:

---SUMMARY OF THE INVENTION

The invention provides a composition for the detection of traces of human or animal blood comprising:

- a luminol compound present in a concentration of between 1 and 20 mmol/l in the end composition,
- an oxidizing agent comprising hydrogen peroxide present in a concentration of between 25 and 100 mmol/l in the end composition,
- a base comprising NaOH present in a concentration of between 25 mmol/l and 500 mmol/l in the end composition, and
- a solvent.

Another aspect of the invention provides a composition wherein the luminol

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compound comprises at least one of luminol, diethyl isoluminol, and aminobutylethyl isoluminol.

Yet another aspect of the invention provides a composition wherein the NaOH is present in a concentration of between 25 and 150 mmoles/l in the end composition.

A further aspect of the invention provides a composition wherein the NaOH is present in a concentration of between 25 and about 90 mmoles/l in the end composition.

Another aspect of the invention provides a composition wherein the solvent is non-carbonated water.

Yet another aspect of the invention provides a method of detection comprising, applying the above composition to a surface to detect traces of human or animal blood.

A further aspect of the invention provides a method of detection comprising, applying the above composition to a surface to detect traces of animal blood on hunting grounds.

Another aspect of the invention provides a method of detection comprising, applying the above composition to a surface to detect traces of human blood at the scene of a crime or accident.

Yet another aspect of the invention provides a field kit for the preparation of the above composition wherein the kit comprises:

- a first receptacle including at least an individual dosage of luminol compound in a quantity ranging between 1 and 20 mmoles;
- a second receptacle including at least an individual dosage containing between 25 and 100 mmoles of hydrogen peroxide, and
- a third receptacle including at least an individual dosage containing between 25 and 500 mmoles of NaOH.

A further aspect of the invention provides a field kit wherein:

- the first receptacle includes at least an individual dosage containing a luminol

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compound in a supply quantity of 1 to 10 mmoles of luminol,

- the second receptacle includes at least an individual dosage containing between 25 and 100 mmoles of hydrogen peroxide, and
- the third receptacle includes at least an individual dosage containing between 25 and 150 mmoles of soda, NaOH.

Another aspect of the invention provides a field kit wherein:

- the first receptacle includes at least an individual dosage containing a luminol compound in a quantity of approximately 5 mmoles,
- the second receptacle includes at least an individual dosage containing approximately 50 mmoles of hydrogen peroxide, and
- the third receptacle includes at least an individual dosage containing between 25 and 50 mmoles of NaOH.

Yet another aspect of the invention provides a field kit for the preparation of the above composition wherein the kit comprises:

- a first receptacle including at least an individual dosage comprising the luminol compound in a quantity of between 1 and 20 mmoles in a pre-mixture with either NaOH, in a quantity of between 25 and 500 mmoles, or with 25 to 100 mmoles of hydrogen peroxide, in a solid compatible form; and
- a second receptacle including at least an individual dosage comprising between 25 and 100 mmoles of hydrogen peroxide, or between 25 and 500 mmoles of NaOH, corresponding to the pre-mixture in the first receptacle.

A further aspect of the invention provides a field kit for the preparation of the above composition wherein the kit comprises:

- a first receptacle including at least an individual dosage containing the luminol compound in a quantity sufficient to provide approximately 5 mmoles in a pre-mixture with either 25 to 150 mmoles of NaOH, or 50 mmoles of hydrogen peroxide, in a solid

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compatible form, and

- a second receptacle including at least an individual dosage containing 50 mmoles of hydrogen peroxide, or between 25 and 150 mmoles of NaOH, in accordance with the pre-mixture in the first receptacle.

Another aspect of the invention provides a field kit for the preparation of the above composition wherein the kit comprises:

- a first receptacle including at least an individual dosage containing the luminol compound in a quantity sufficient to provide approximately 5 mmoles in a mixture with either 25 to 50 mmoles, or 90 mmoles of NaOH, or 50 mmoles of hydrogen peroxide, in a solid compatible form, and
- a second receptacle including at least an individual dosage containing either 50 mmoles of hydrogen peroxide, or between 25 and 50 mmoles, or 90 mmoles of NaOH.

Yet another aspect of the invention provides a field kit wherein each receptacle comprises a resealable receptacle made of plastic material or glass.

A further aspect of the invention provides a field kit wherein at least one receptacle is formed by an alveolus fitted inside at least one blister pack.

Another aspect of the invention provides a field kit for the preparation of the above composition wherein the field kit contains at least one blister pack with a minimum of three alveoli, wherein at least one alveoli contains an individual dosage holding the luminol compound in a quantity sufficient to provide between 1 and 20 mmoles, and wherein at least one other alveoli contains an individual dosage holding between 25 and 500 mmoles of NaOH, and wherein at least one other alveoli contains an individual dosage holding between 25 and 100 mmoles of hydrogen peroxide.

Yet another aspect of the invention provides a field kit for the preparation of the above composition wherein the field kit contains either a blister pack and at least two alveoli, wherein at least one alveoli contains an individual dosage of the luminol

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compound in a quantity sufficient to provide between 1 and 20 mmoles in a pre-mixture with either NaOH, in a quantity of between 25 and 500 mmoles, or with 25 to 100 mmoles of hydrogen peroxide in solid compatible form; and at least one other alveoli contains an individual dosage with either a quantity of between 25 and 100 mmoles of hydrogen peroxide, or of 25 to 500 mmoles of NaOH depending on the first pre-mixture; or at least one blister pack containing at least one alveolus with a pre-mixture of the above-mentioned three basic components.

A further aspect of the invention provides a field kit wherein at least one of the individual dosages is in the form of a pill.

Another aspect of the invention provides a field kit wherein every one of the individual dosages is in the form of a pill.

Yet another aspect of the invention provides a field kit wherein the individual dosage further contains excipients to facilitate direct crushing of the pill thereby avoiding formation of moist granulation due to the presence of NaOH, and wherein the individual dosages also contain excipients that will facilitate the disintegration of the pill.

A further aspect of the invention provides a field kit wherein the luminol compound comprises luminol.

Another aspect of the invention provides a field kit for the preparation of the above composition comprising: a luminol, an oxidizing agent, and a base have been formulated in a single pre-mixture in formulations that allow their compatibility without generating a premature reaction, thus making it possible to enclose them jointly in one single receptacle.

Yet another aspect of the invention provides a method of making a reconstitution of the above composition wherein the reconstitution comprises diluting in water an individual dosage of a luminol compound, an individual dosage of NaOH, or an individual dosage of a mixture of a luminol compound and NaOH, and an individual

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dosage of hydrogen peroxide.

A further aspect of the invention provides a method of search and localization of a wounded or struck down animal wherein the above composition is vaporized on the areas of terrain where the animal is assumed to have passed, thereby producing a luminous reaction through the contact of the composition with blood traces left behind by the animal.

Another aspect of the invention provides a method of search and localization of traces of human blood at the scene of a crime or of an accident in conditions of reduced visibility, wherein the above composition is vaporized on the mentioned scene, thereby producing a luminous reaction through the contact of the composition with the traces of human blood.

Yet another aspect of the invention provides a method of search and localization of traces of human blood at the scene of a crime, wherein the individual dosages are mixed together and applied to the scene thereby producing a luminous reaction through the contact of the composition with the traces of human blood.

A further aspect of the invention provides a field kit wherein the excipient to facilitate the direct crushing of the pill comprises at least one of lactose, cellulose, and calcium phosphate; and the excipient that facilitates disintegration of the pill comprises at least one of croscarmellose and sodium starch glycolate.

Another aspect of the invention provides a method of making a reconstitution of the above composition wherein the individual doses are taken from receptacles of a kit.

Yet another aspect of the invention provides a method of search and localization of a wounded or struck down animal, wherein the above composition is obtained by diluting in water an individual dosage of a luminol compound, an individual dosage of NaOH, or an individual dosage of a mixture of a luminol compound and NaOH, and an individual dosage of hydrogen peroxide.

A further aspect of the invention provides a method of search and localization of traces of human blood wherein the method is conducted in conditions of reduced visibility.

Another aspect of the invention provides a method of search and localization of traces of human blood at the scene of a crime or of an accident in conditions of reduced visibility, comprising vaporizing the reconstitution of the above composition on the mentioned scene, thereby producing a luminous reaction through the contact of the composition with the traces of human blood.

Yet another aspect of the invention provides a field kit as wherein all of the receptacles are formed by an alveolus fitted inside at least one blister pack.---

4. Page 6, before line 15, insert and center the following:

---DETAILED DESCRIPTION OF THE INVENTION---

5. Page 11, at line 30, insert and center the following:

---EXAMPLES---

6. Page 11, line 13, please replace the paragraph with the following amended paragraph:

---They may further contain any excipient known in the field (croscarmellose, ~~explotab~~ Explotab[®] (sodium starch glycolate), etc.) that would facilitate the disintegration of the pill into an aqueous solvent.---